

# Work Order ID 53777

November 18, 2009 11:33:43 AM



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Item ID:	D350-591-213	Accept		Setup	Start	
Revision ID:	A				Stop	
Item Name:	Heli-Access-Step, Short LH					
Start Date:	11/18/2009	Start Qty:	9.00		Cust Item ID:	
Required Date:	11/18/2009	Req'd Qty:	9.00		Customer:	
Reference:	ECN 09-645					

Approvals:	Process Plan:	<u>mf</u>	Date:	<u>09-11-18</u>	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3078	A
DSI 9472	A

310	Pick Kit	0.00							
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	Packaging	Memo	0.00						
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Packaging	<p>PULL FROM STOCK D350-591-213</p> <p>X 9</p> <p>B44129 X 1</p> <p>B48550 X 2</p> <p>B51165 X 6</p> <p>ADD BOLTS TO KITS AN4-16A PER ECN 09-645</p>
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320	QC4- 100% Inspect kits for completeness	0.00							
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	QC	Memo	0.00						
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Quality Control	<p>ID AND STOCK WITH NEW BATCH NUMBER AND NEW CHG NUMBER</p> <p>UPDATE PAPERWORK:</p> <p>ADD DSI 9472 TO ALL KITS IN STOCK</p>
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9/11/18

09/11/18

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Item ID: D350-591-213

Accept

Revision ID: A

Item Name: Heli-Access-Step, Short LH

Start Date: 11/18/2009 Start Qty: 9.00

Required Date: 11/18/2009 Req'd Qty: 9.00

Reference:

Approvals: Process Plan: Date: Tooling: Date:

QC: Date: SPC (Y/N): Date:

Run Start

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

330

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

⑧

09/11/18 JF

Adjustment  
made.  
closed for  
⑨-1=8MF  
09-11-18

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Work Order ID: 53777

Parent Item: D350-591-213RevA

Parent Item Name: Heli-Access-Step, Short LH

Comments:

Start Date: 11/18/2009

Required Date: 11/18/2009

Start Qty: 9.00

Required Qty: 9.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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AN4-16A		Purchased	No				Each	304.0000	36.0000			
												
<span style="font-size: 2em; vertical-align: middle;">S</span> Bolt												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

304

112641

8

112969

296

Each

11.0000

9.0000

D350-591-213RevA

Manufactured

No



Heli-Access-Step, Short LH

Warehouse

Loc Qty

Loc Code

Location

HONG KONG

FG

2

23108

0

39477

2

44129

1

48550

2

51165

6

*Don't know done*

*36x50*

*9/11/12 SP*

*2x 50*

*(Signature)*

**DART**

TRANSPORT CANADA APPROVAL # 09-89

TEL.: 1-613-632-3336  
FAX: 1-613-632-4443

P/N	D350-591-213	CHG	CHG002
DESC.	Heli-Access Step LH High	STC	SH92-6
LOT	B48550	STC	SH967NE
MODEL	AS350/355	STC	

US PATENT # 5735484  
CANADA FOREIGN PATENTS PENDING

MADE IN CANADA

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# List Lots

November 18, 2009 10:22:53 AM

Page 1 of 1

Criteria : Item ID: D350-591-213RevA All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D350-591-213RevA	HONG KONG	39477	8/28/2009	2.0000		QC21	CHG002	
Heli-Access-Step, Short LH	FG							
	Main Warehouse	23108		0.0000		QC21		
	FG							
	Main Warehouse	44129	8/28/2009	1.0000 ✓		QC21	CHG002	
	FG							
	Main Warehouse	48550	11/18/2009	2.0000 ✓		QC21	CHG002	
	FG							
	Main Warehouse	51165	8/28/2009	6.0000 ✓		QC21	CHG002	
	FG							
Total:				10.0000				

mf  
09-11-18

49

# **ENGINEERING CHANGE NOTICE** **DART AEROSPACE LTD**

Date: 09.08.21	Job No.:	ADR Yes/No: Y	ADR Date: 09.08.19	ECN #: 09- 645
Product No.: D350-591		Created By: <i>[Signature]</i>	Approved By: <i>[Signature]</i>	
Product Name: HELI-ACCESS-STEPS		Checked By: <i>[Signature]</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager	Y	LL	<i>[Signature]</i> 04-08-24
Production Engineering Coord	Y	EC/DD	<i>[Signature]</i> 09/08/24
Production Document Control	Y	BG	<i>[Signature]</i> 09-08-24
Customer Technical Support	Y	DStw	<i>[Signature]</i> 09-08-24

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord	N		
QC Coordinator	Y	JM	<i>[Signature]</i> 05-08-24
Marketing	Y	SW	<i>[Signature]</i> 09-08-25
Customer Order Processing	N		

**Reason for Change:**  
Add missing hardware

**Documents Affected:**  
Release  
- DSI 9472 Rev. A

**PARTS MUST COMPLY**



**PREVIOUS PARTS SATISFACTORY**



#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Product Compatability Matrix	N			
6	Create Eurocopter Form (FEE)	N			
7	Notify TC / FAA of Change	N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
8	Move Electronic Files	Y	KJ		09.08.24 <i>[Signature]</i>
9	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		09.08.24 <i>[Signature]</i>
10	Update Controlled PDF Files	Y	KJ		09.08.24 <i>[Signature]</i>
11	Update Master Document List (MDL)	Y	CP	Rev. C	09.08.24 <i>[Signature]</i>
12	Update Document Record (DR)	Y	KJ	Rev. O	09.08.25 <i>[Signature]</i>
13	Update Product Development Summary	N			
14	Update QSI 021 and/or STC Approval List	N			
15	Update Parts / STC Database	N			
16	Update / Verify ARC Database	N			
17	Create / Update Change Record Form	Y	KJ	D350-591-213/-214/-215/-216 steps @ CHG 003	09.08.24 <i>[Signature]</i>
18	Create / Update PPP's	Y	KJ		09.08.24 <i>[Signature]</i>
19	Update Document Control Database / Laminated Dwgs	N			
20	Update Grey Project Binder	Y	CP		09.08.24 <i>[Signature]</i>
21	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		09.08.24 <i>[Signature]</i>
22					
23					

**Description / Action:**

- DSI 9472 Rev. A adds AN-16A bolts to D350-591-213/-214/-215/-216 steps
- update affected kits in stock with bolts, DSI, and new change number

*[Handwritten Notes]*  
 D 350-591-213 - B 44129 x 1, B 48550 x 2, B 51165 x 6  
 D 350-591-214 - B 51167 x 5  
 D 350-591-215 - B 32701 x 1, B 34977 x 2  
 D 350-591-216 - B 34978 x 2  
 New Batch # 53716

ECN Verified & Complete: *[Signature]*

Date: 09/08/27



# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-591 REV. G OR EARLIER  
AND  
INSTRUCTIONS OF CONTINUED AIRWORTHINESS ICA-D350-591 REV. 2 OR EARLIER

REF CANADIAN STC: SH92-6

REF FAA STC: SH967NE

For D350-591-213/-214/-215/-216 steps, customers have the option of installing D2732-030 cushion under the clamps to accommodate varying crosstube diameters and to improve fit, as indicated in Installation Instructions D350-591. This Service Instruction adds longer AN4-16A bolts to the parts list to allow installation of these cushions. See Figure 1 on sheet 2 of this service instruction for reference. Installation of the D2856-400-720 Abrasion Strips per Installation Instructions D350-591 is not required when the cushions are installed.

For D350-591-213/-214/-215/-216 steps at CHG 003, the parts list of D350-591 Rev. G and ICA-D350-591 Rev. 2 is amended as follows:

## ADD:

Qty -213	Qty -214	Qty -215	Qty -216	Part Number	Description
X				D350-591-213	<i>Heli-Access-Step</i> ™, Short Step – High Skid, LH
	X			D350-591-214	<i>Heli-Access-Step</i> ™, Short Step – High Skid, RH
		X		D350-591-215	<i>Heli-Access-Step</i> ™, Short Step – Low Skid, LH
			X	D350-591-216	<i>Heli-Access-Step</i> ™, Short Step – Low Skid, RH
4	4	4	4	AN4-16A	BOLT

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-0-01






APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 09.08.05

CERT. NO.: SH92-6

ISSUE NO.: 11

A	NEW ISSUE	RF	09.08.05
REV.	DESCRIPTION	BY	DATE
DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. REV. A DSI 9472 SHEET 1 OF 2 TITLE SCALE BOLT ADDITION NTS COPYRIGHT © 2009 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	
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APPROVED			
DE APPR.			
DATE	09.08.05		

#5377